

FIG. 1

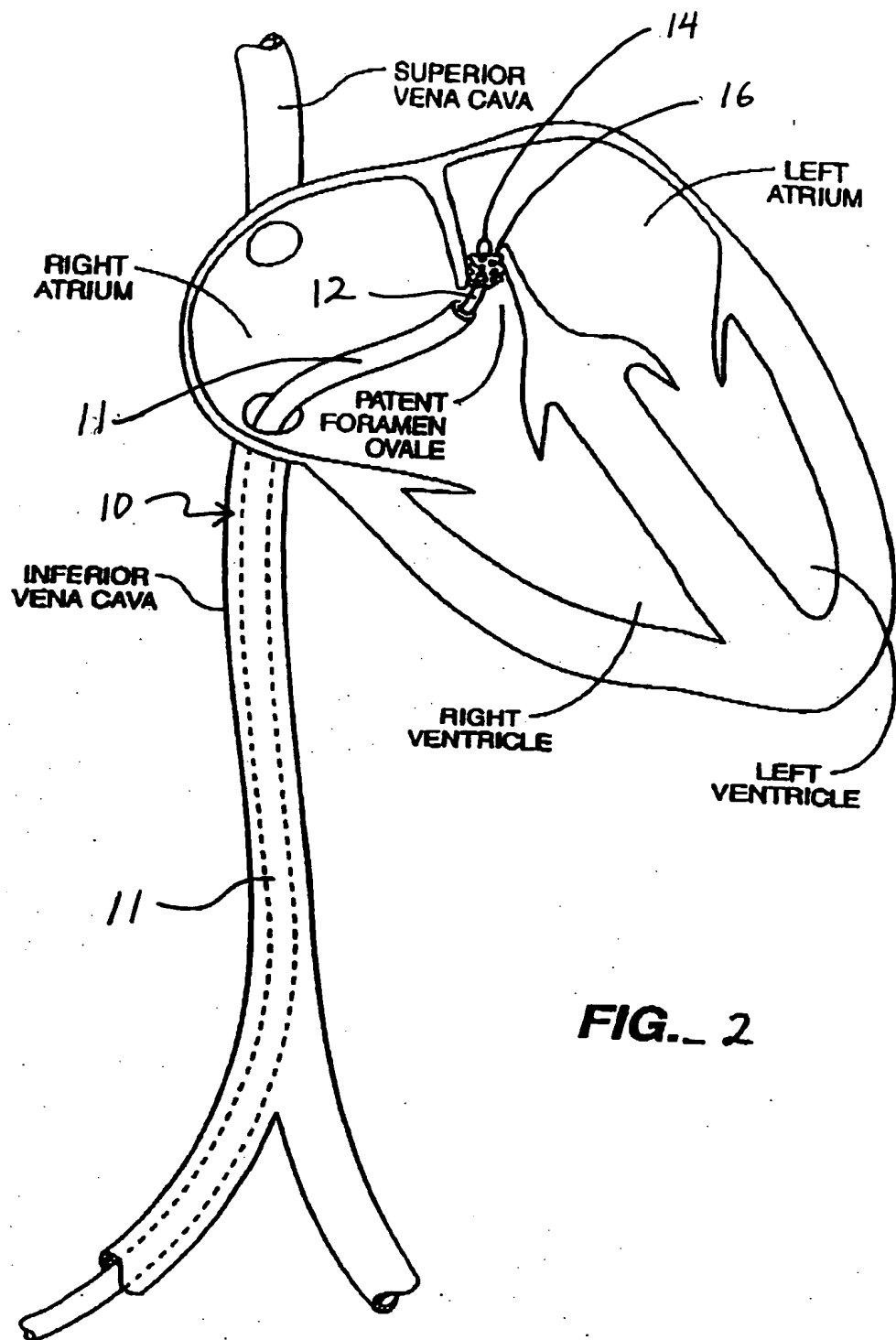
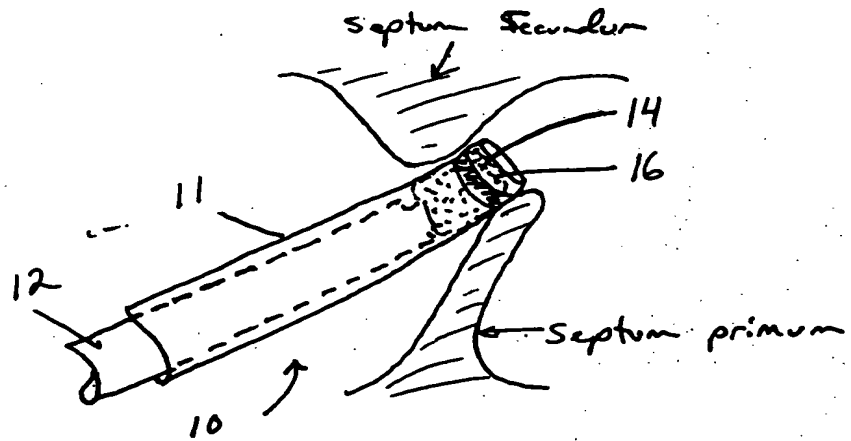


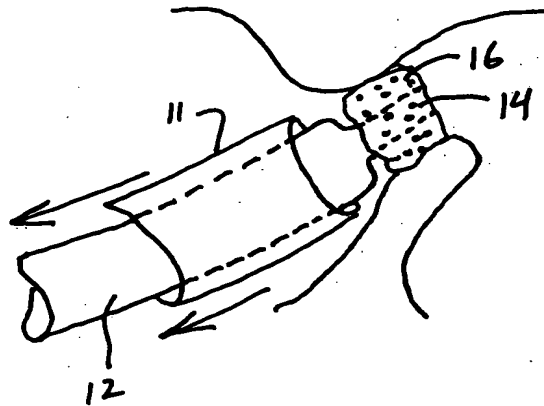
FIG. 2

FIGURE 3

4) System introduced into PFO



5) Outer Sheath Withdrawn energy applied



6) Delivery System withdrawn

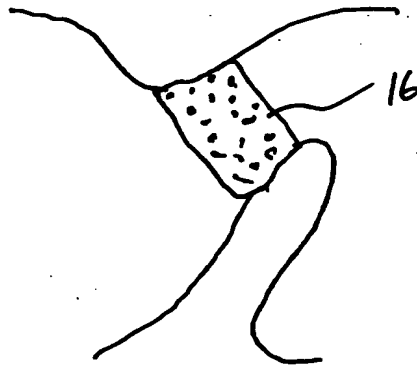


FIGURE 4

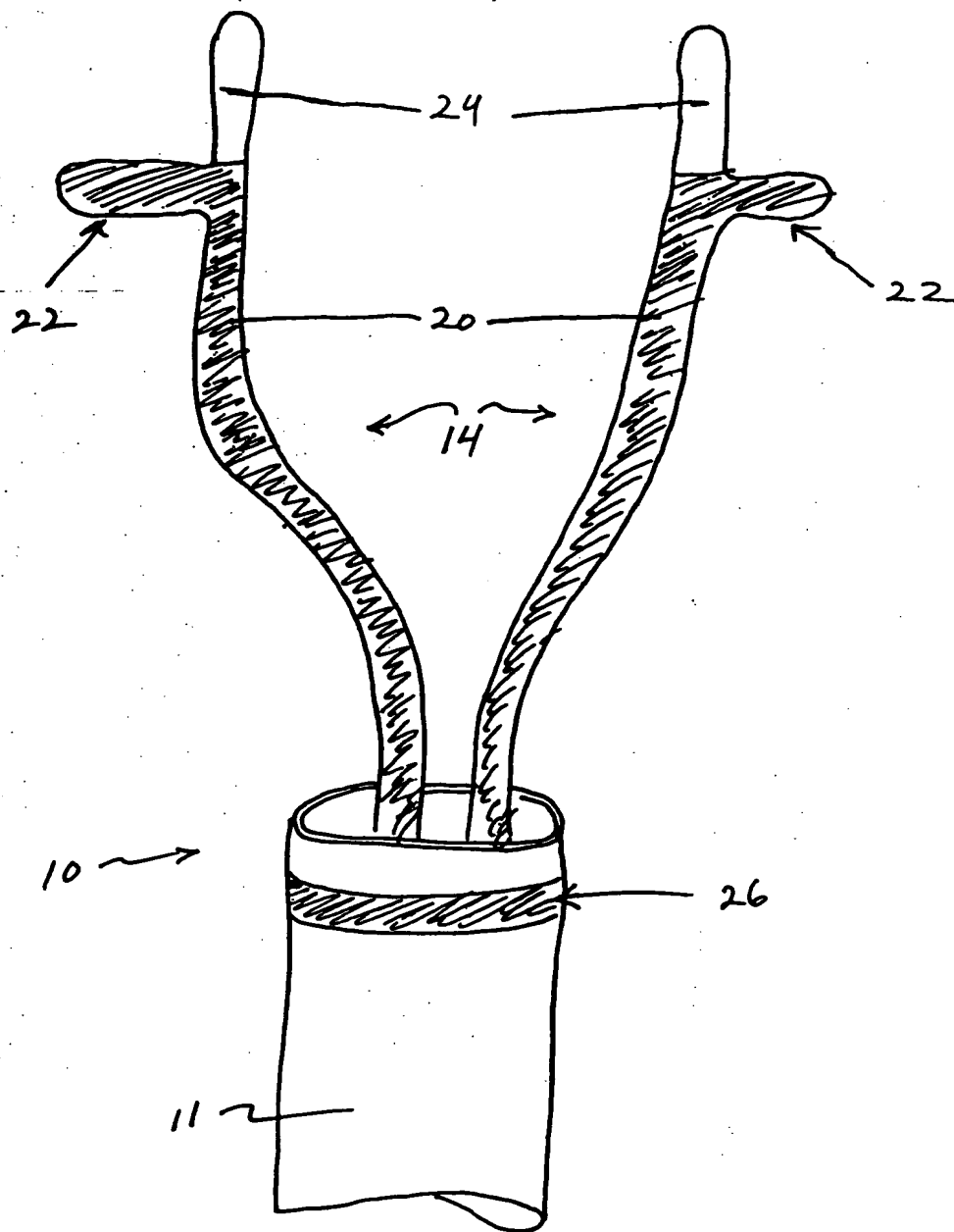
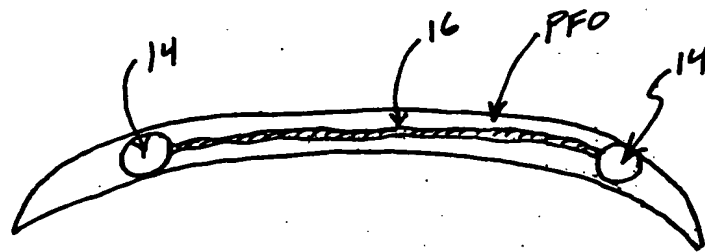


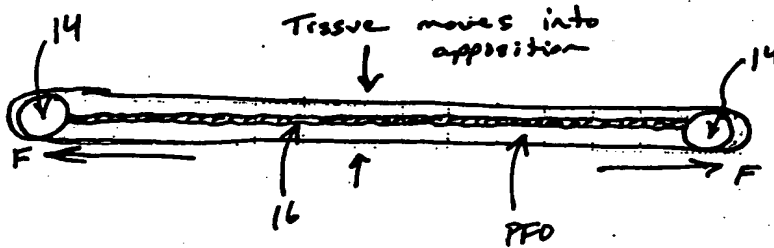
FIGURE 5

5A)



fishmouth
electrodes and
matrix in place

5B)



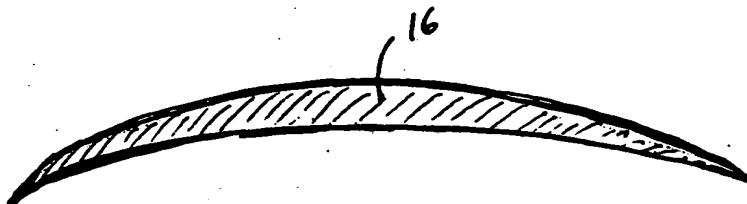
electrodes move
laterally to appose
PFO tissues

5C)



matrix expands
to fill all gaps
& spaces in PFO

5D)



final result-
PFO with
matrix welded
in place

FIGURE 6

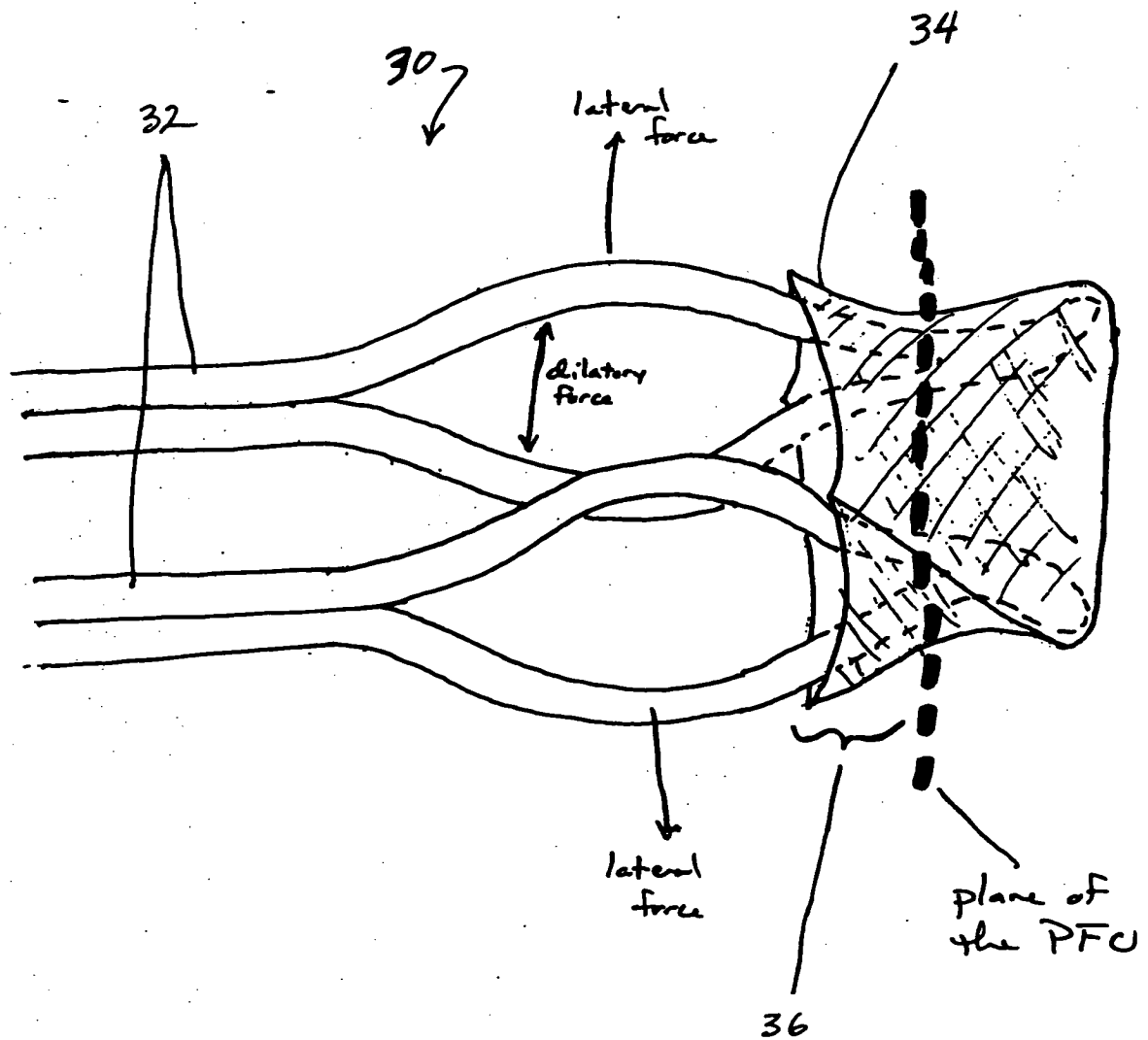
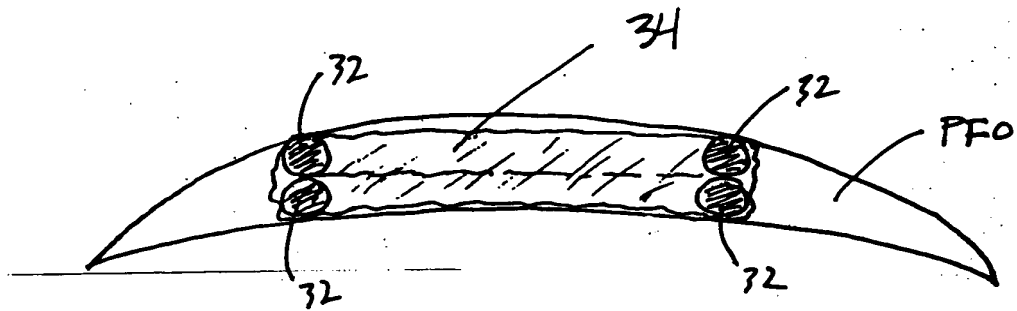
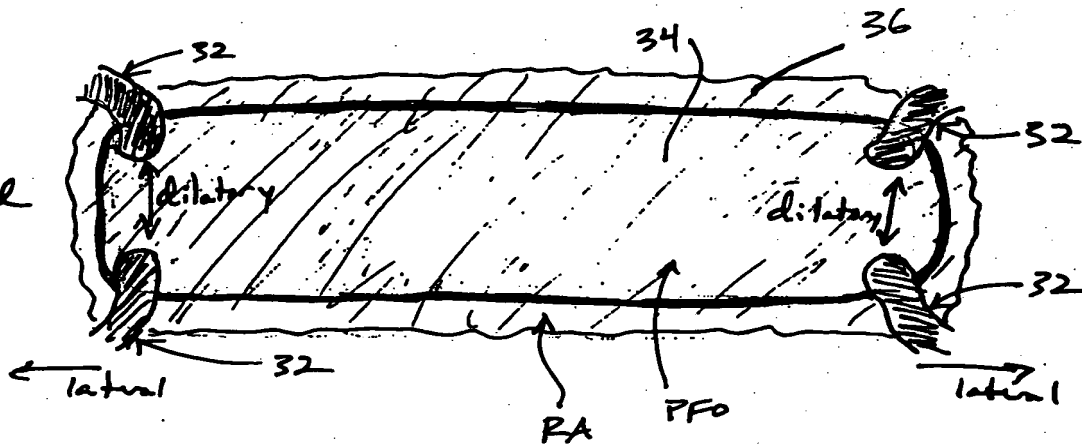


FIGURE 7

A) Devices in place



B) system expanded



C) final result

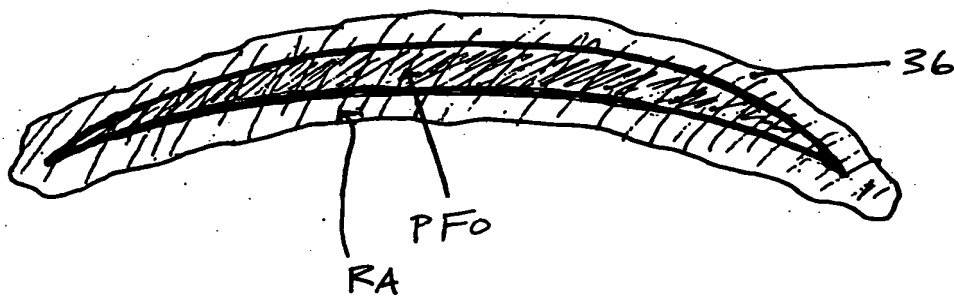


FIGURE 8

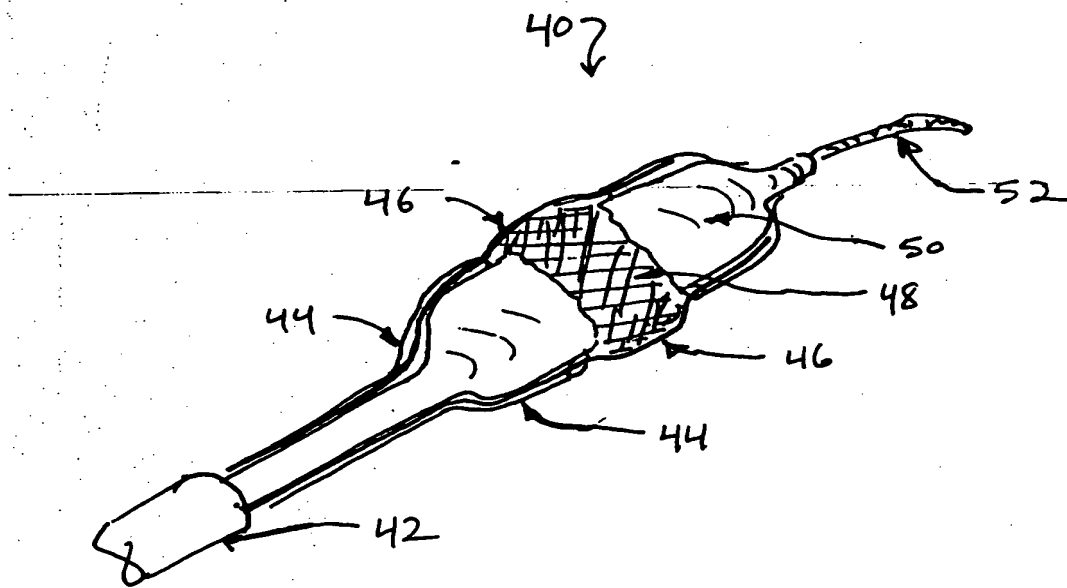
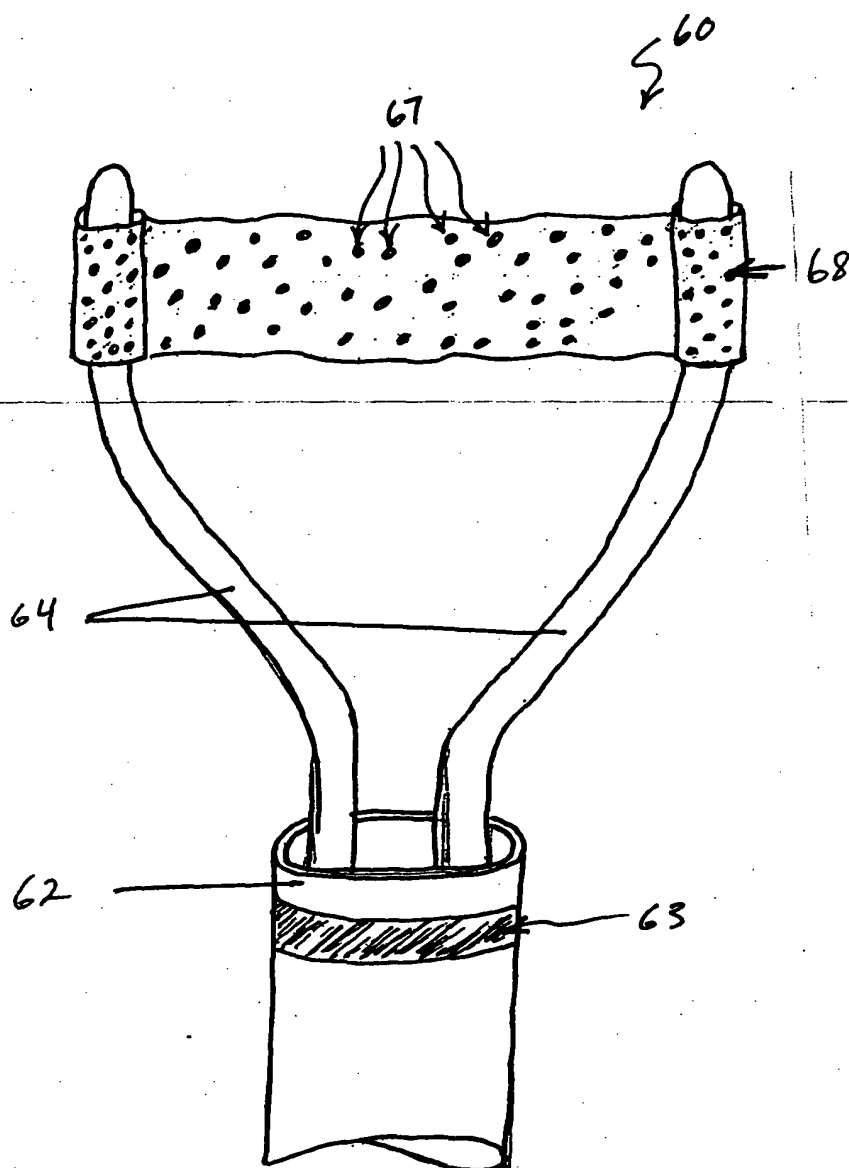
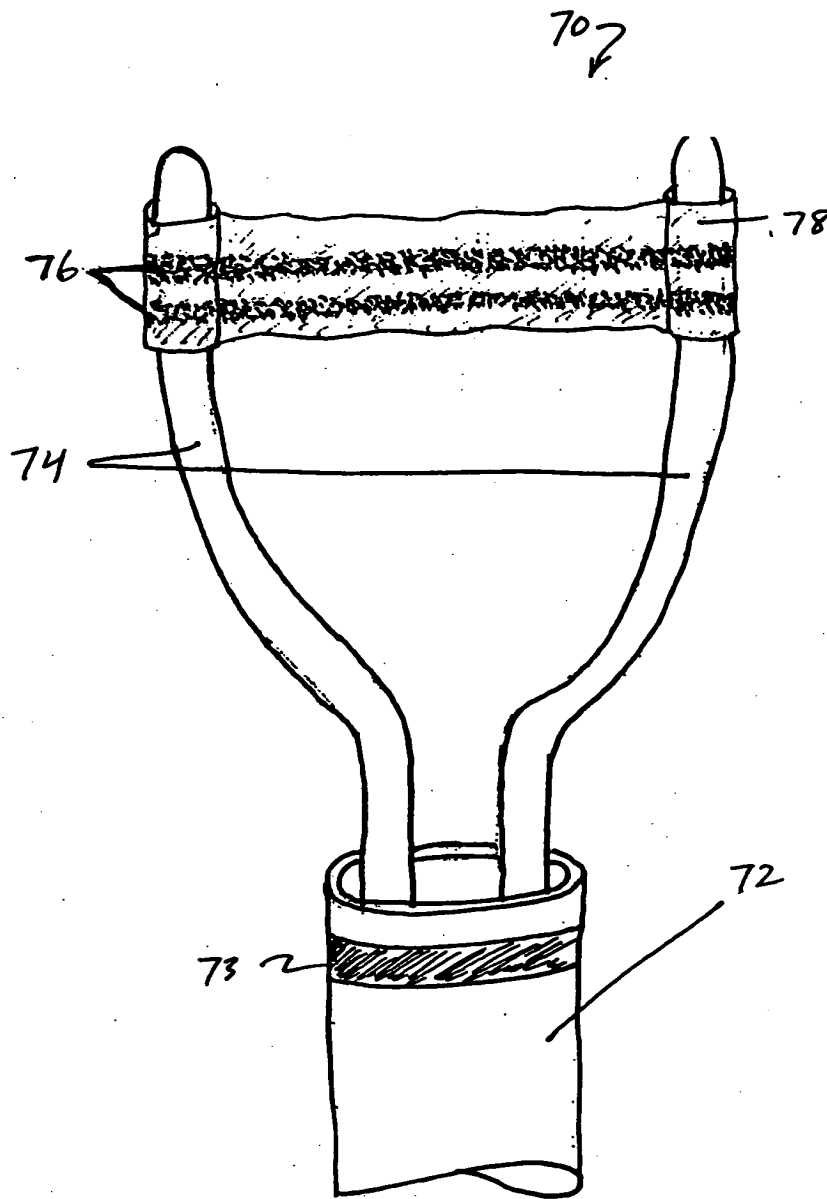


FIGURE 9



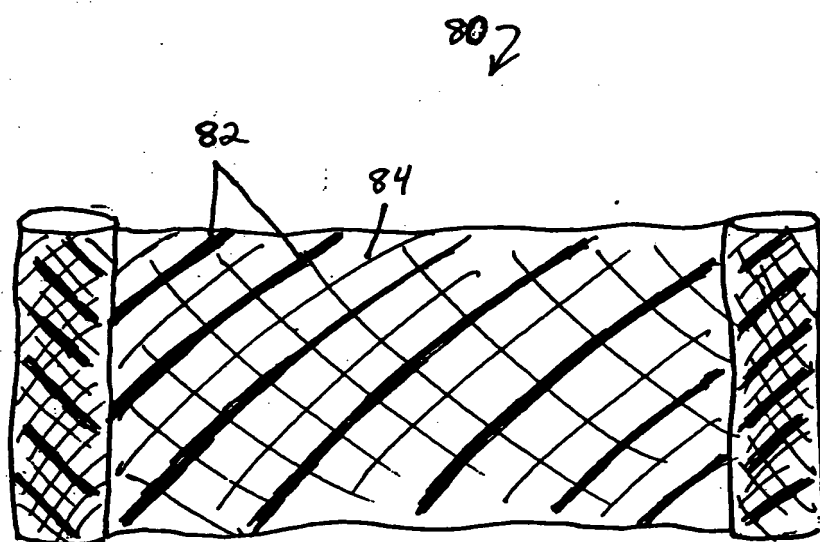
Doped matrix reduces tissue impedance + assists energy delivery

FIGURE 10



Doping particles form conductive wires that disintegrate upon matrix resorption

FIGURE 11



Woven patch with
conductive elements

FIGURE 12

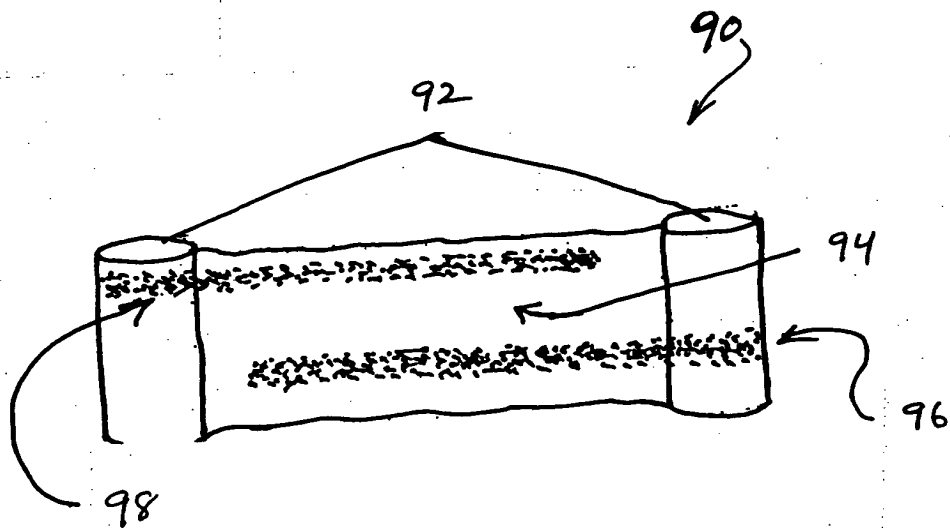
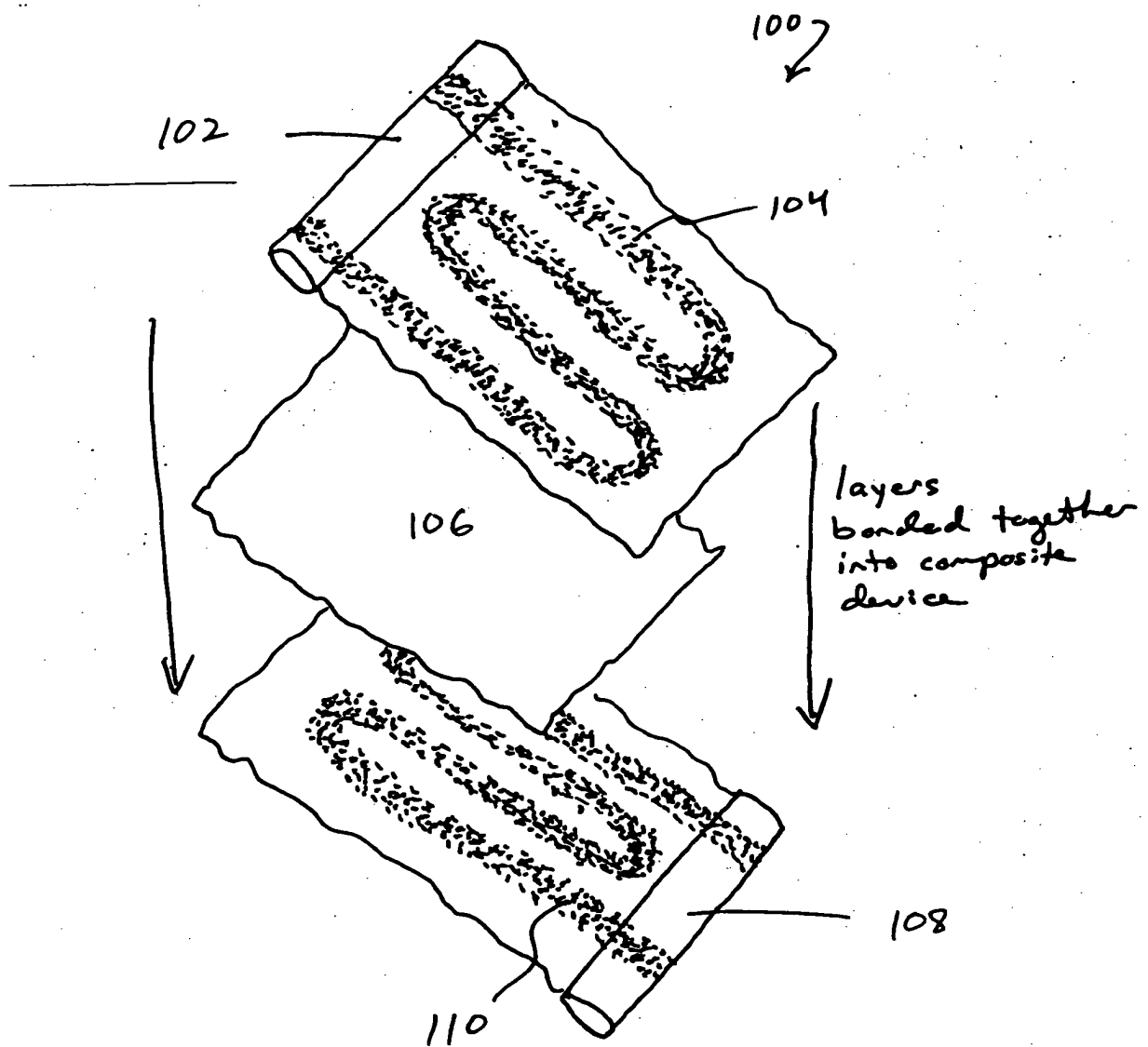


FIGURE 13



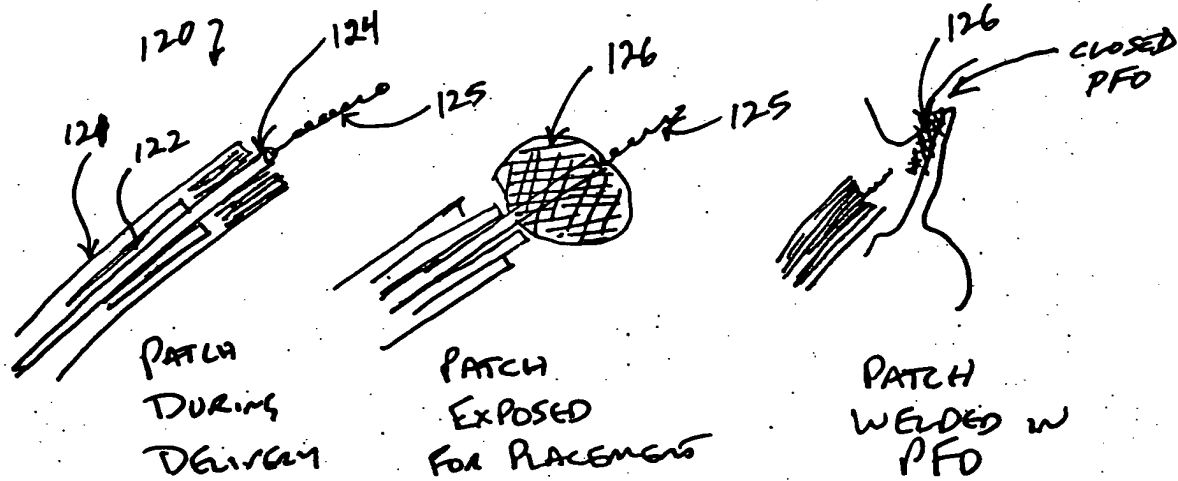


FIG- 14

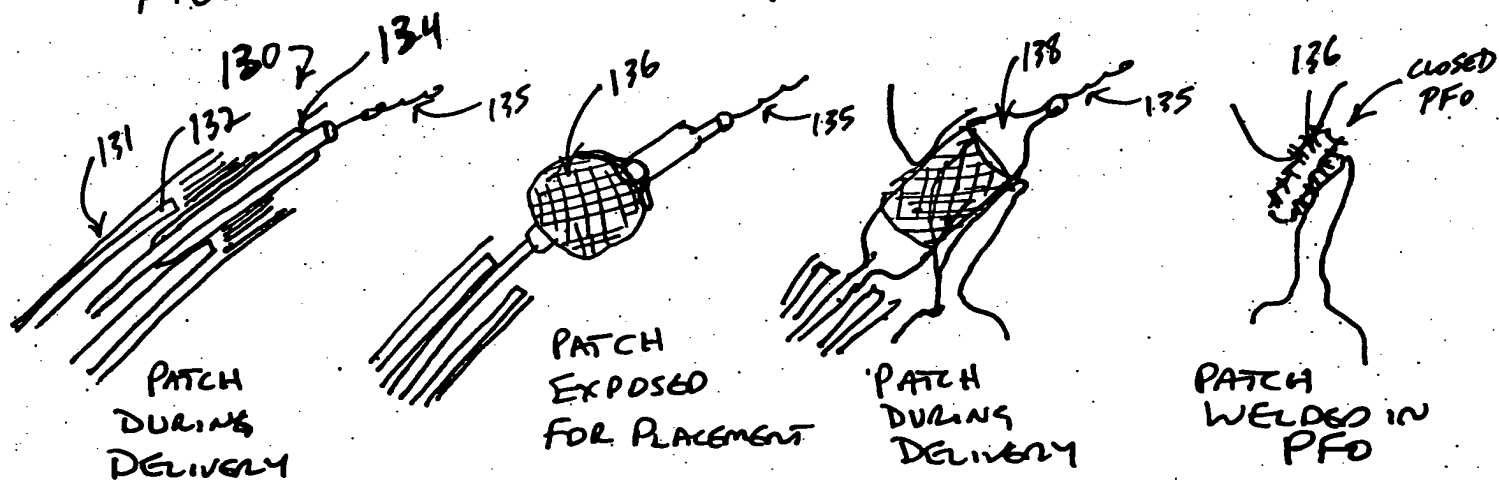
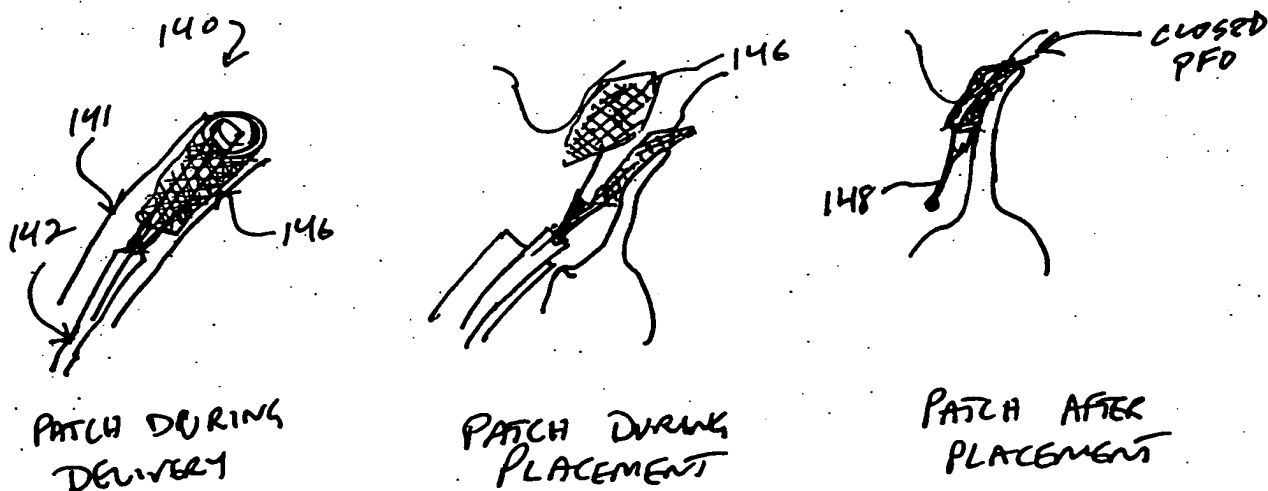
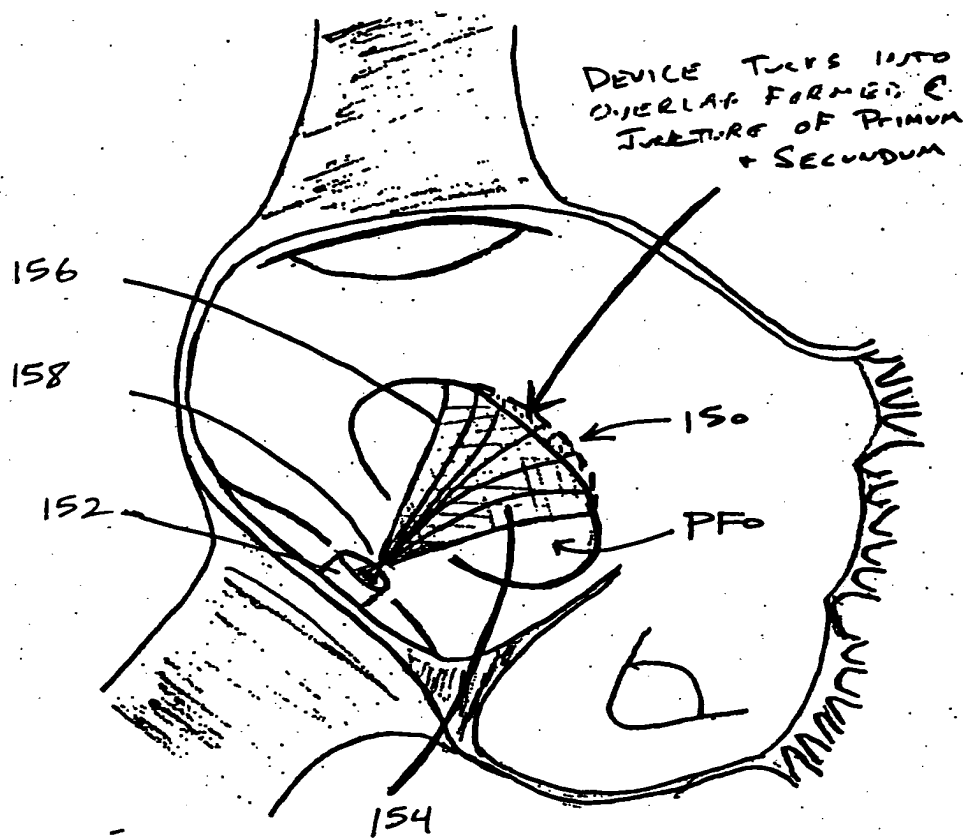


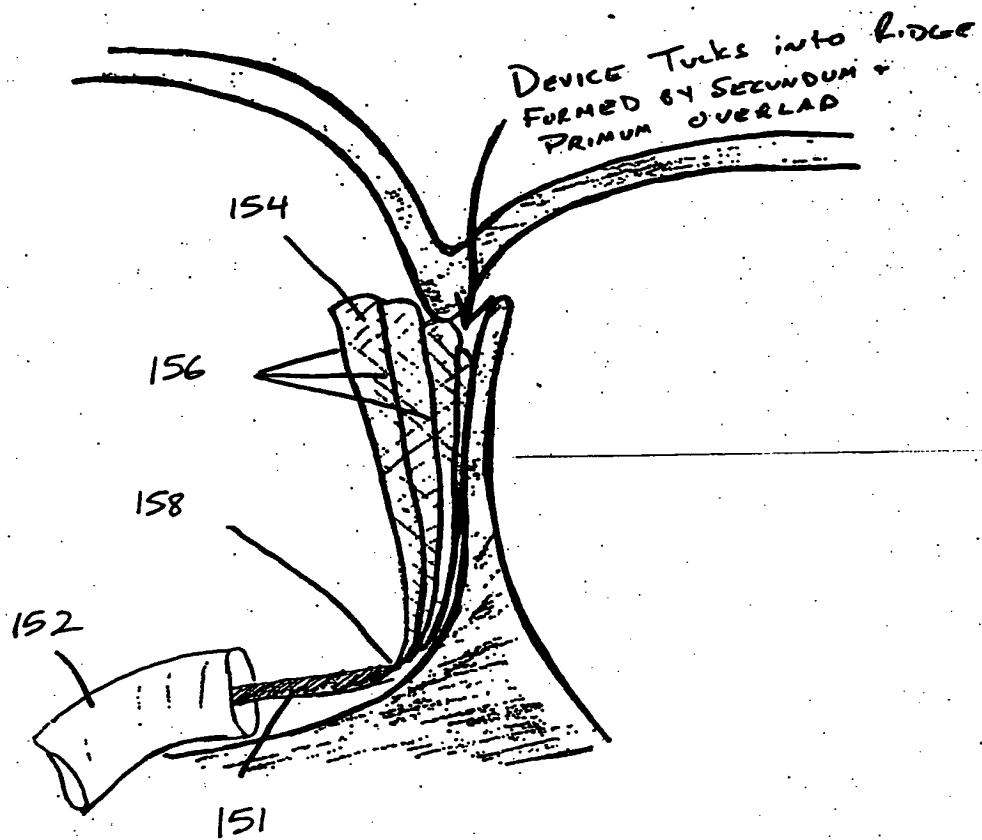
FIG- 15





RF PATCH - R. ATRIUM
CUTAWAY VIEW

FIG-17A



RF PATCH - SEPTUM CROSS
SECTIONAL VIEW

FILE-17B

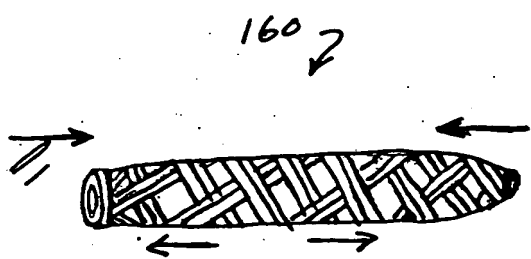


FIG-18A

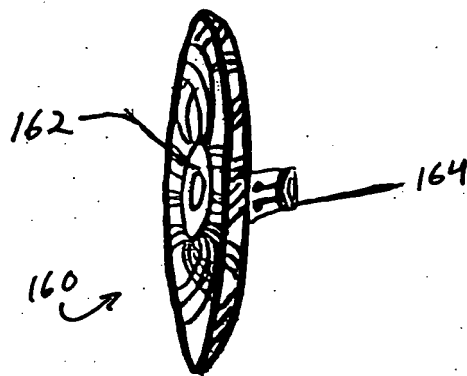


FIG-18B

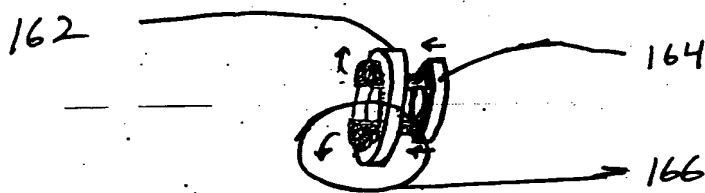


FIG-19

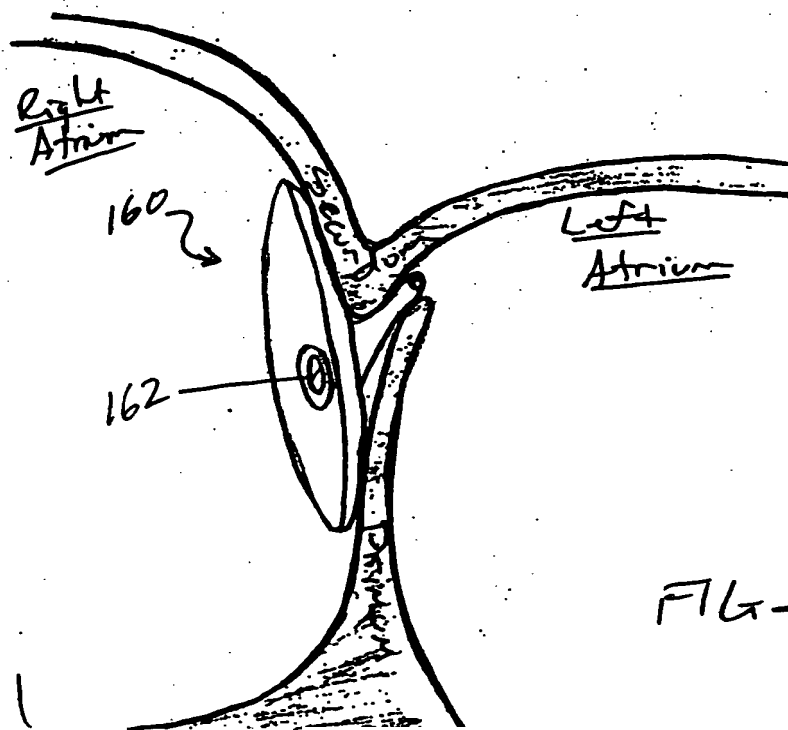


FIG-20

infusion ports
allow testing
of device placement
by bubble/echo
contrast testing
prior to permanent
deployment

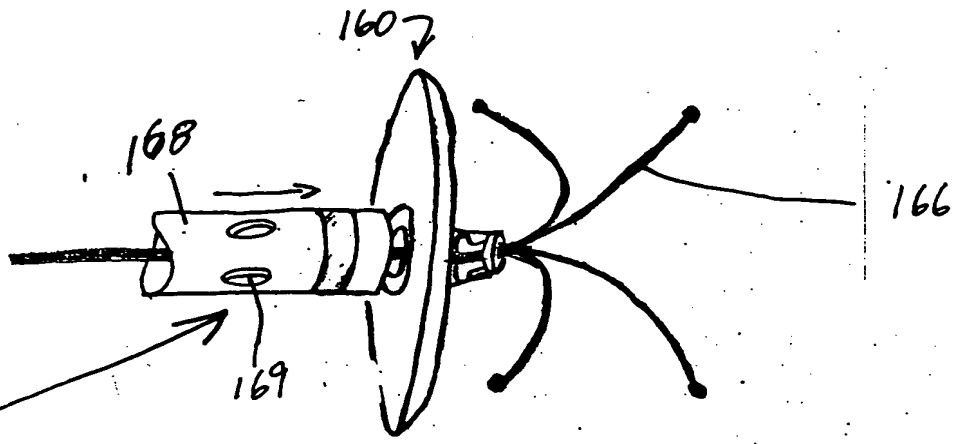


FIG 21A

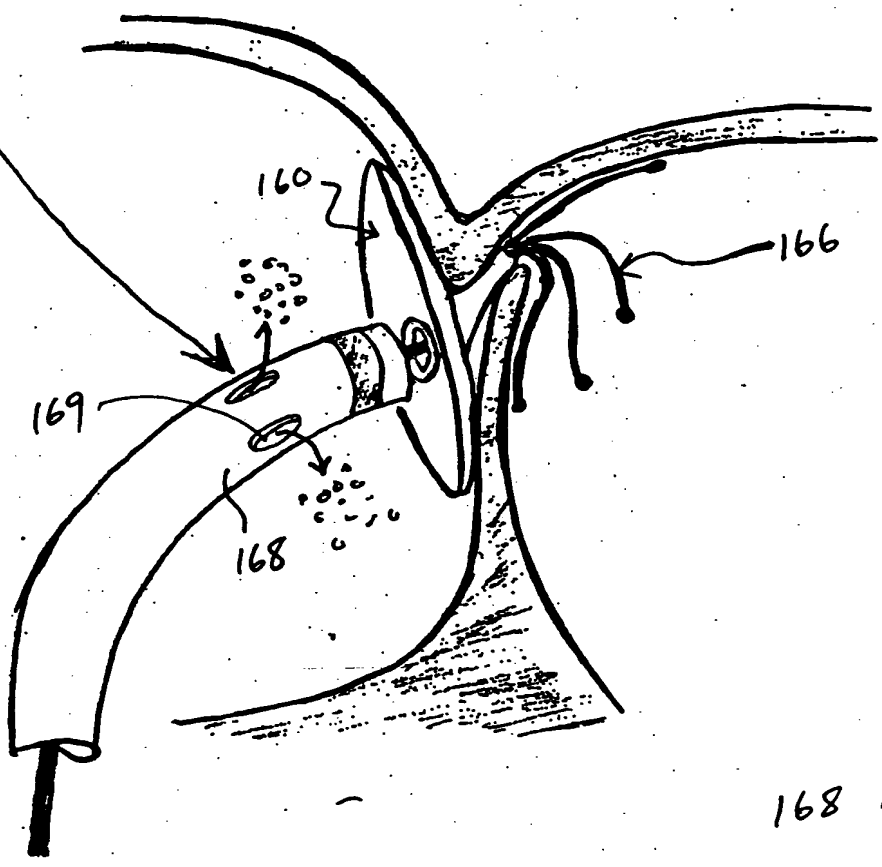


FIG- 21B

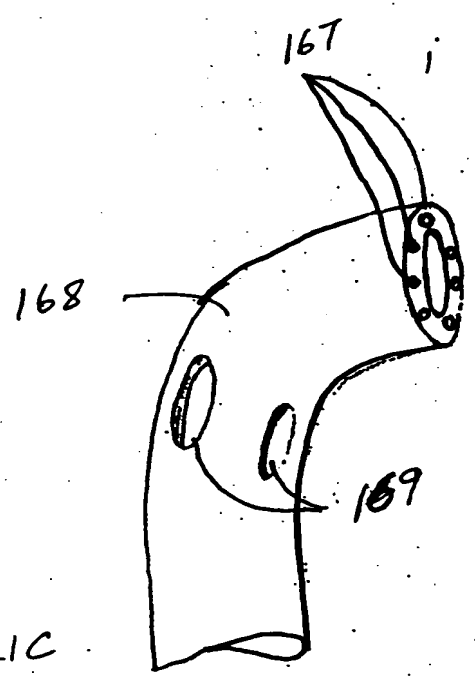


FIG- 21C

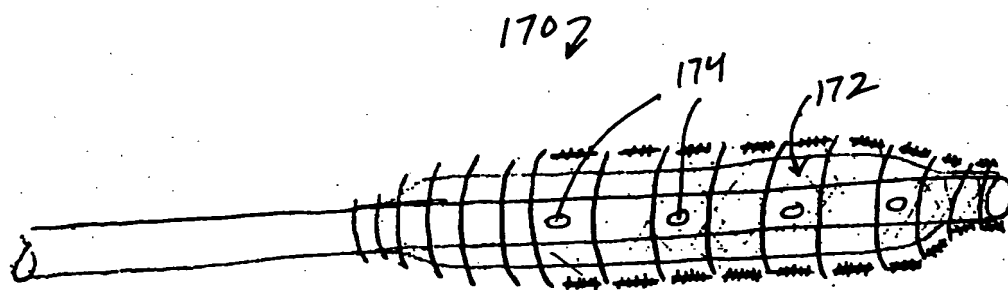


FIG. 22A

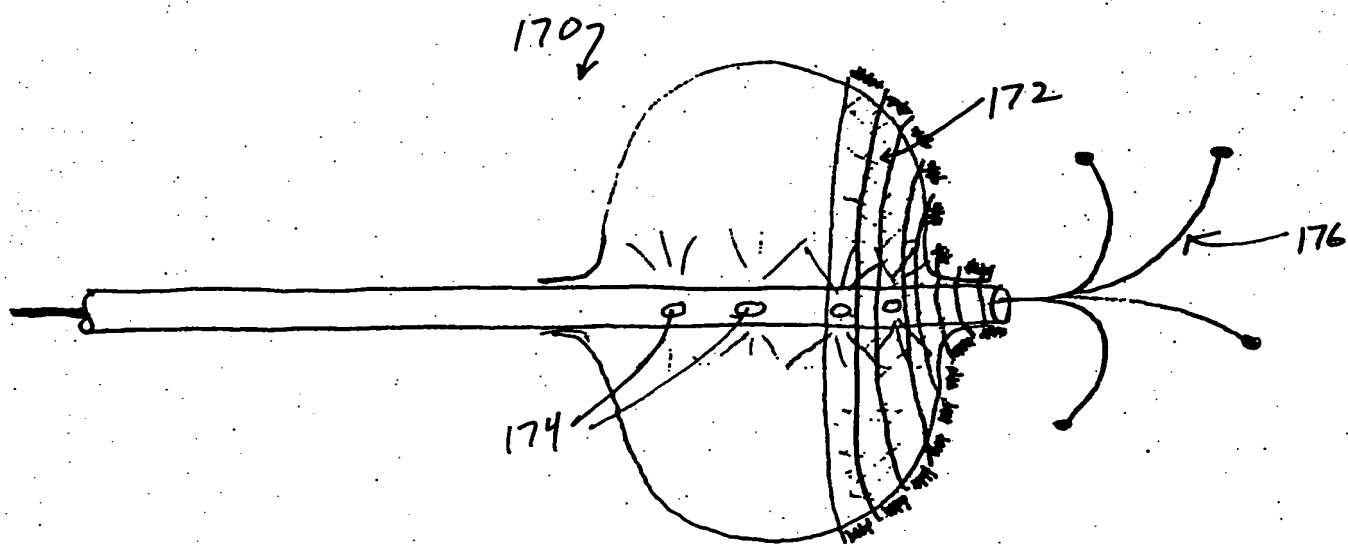


FIG. 22B

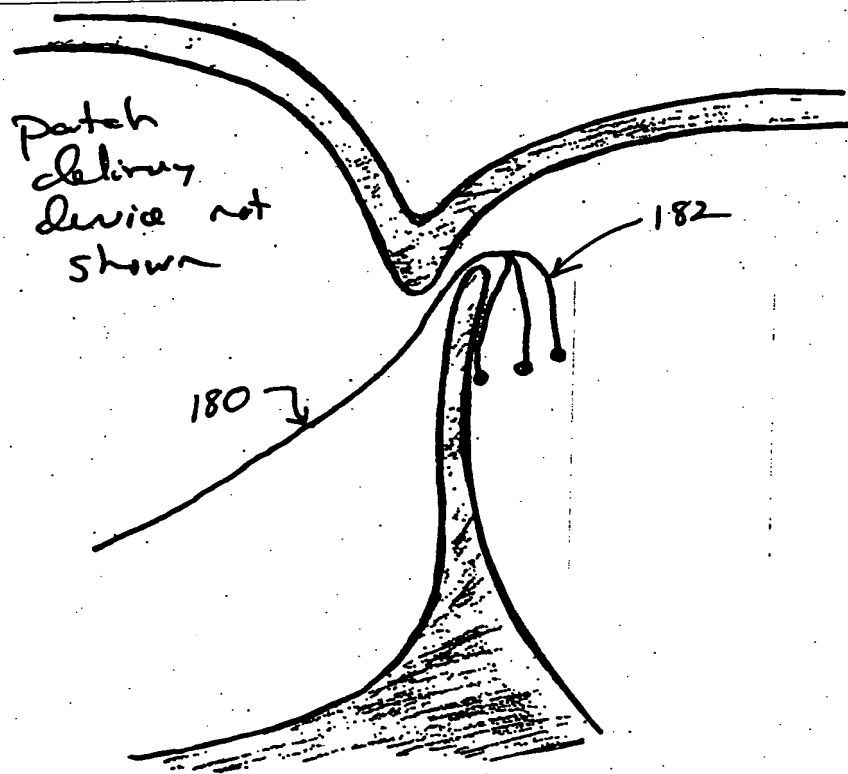


FIG- 23

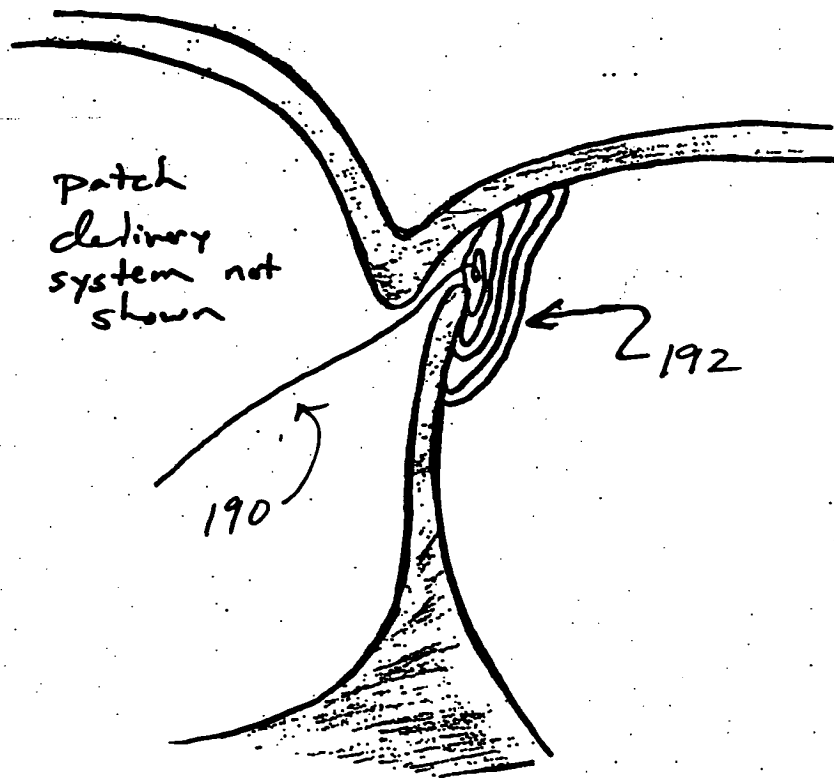


FIG - 24

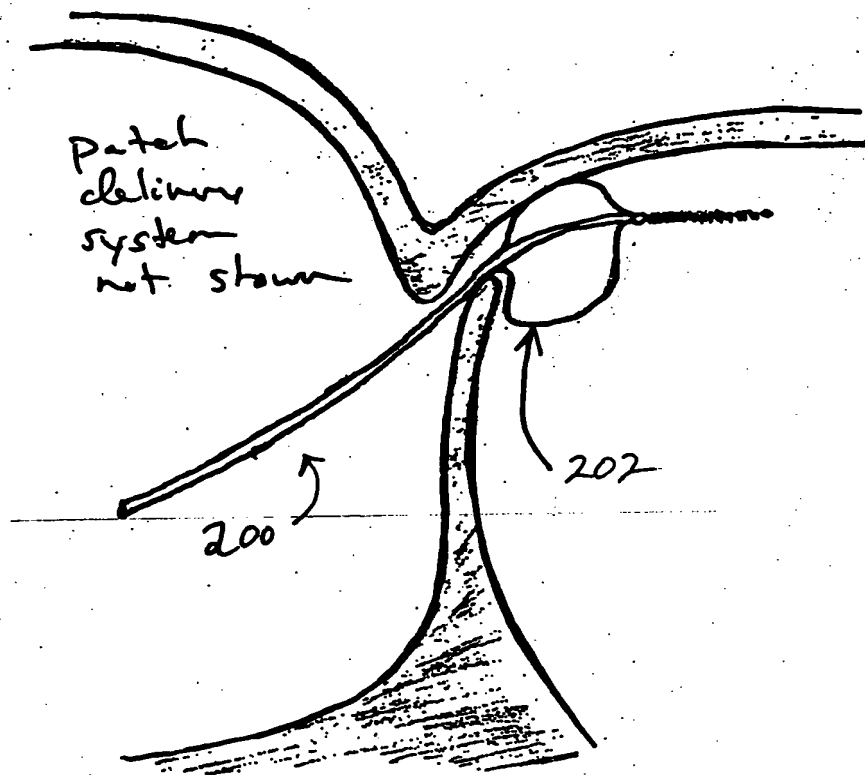


FIG - 25

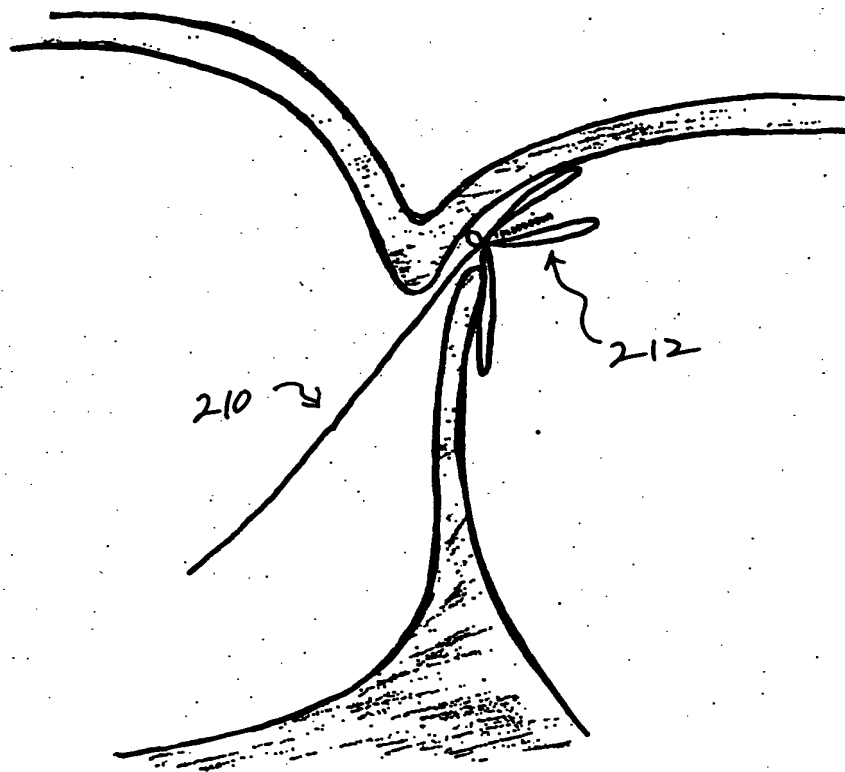


FIG- 26